



NJ DEPARTMENT OF TRANSPORTATION

RESEARCH LIBRARY

SELECTED RECENT ACQUISITIONS

April - June 2013

The resources reported in this issue are listed by main subject area and then alphabetically by title. Each item is listed only once, so please check related subjects for additional materials that may be of interest.

Administration and Management

Alternatives to the Public Funding and Operation of Colorado's Rest Areas /

Brandon Howes -- Denver, CO : Colorado Dept. of Transportation - Research, 2013-03 (CDOT-2013-3), 10 pp.
<http://www.coloradodot.info/programs/research/pdfs/2013/restareas.pdf/view>

Assessment of TxDOT Staffing for Project Development and Construction, and Project Backing Analysis /

Khali R. Persad et al. -- Austin, TX : University of Texas at Austin, Center for Transportation Research ; Texas Dept. of Transportation, Research and Technology Implementation Office, 2013-05 (FHWA/TX-13/0-6581-CT-5), 156 pp.
<http://library.ctr.utexas.edu/ctr-publications/0-6581-CT-5.pdf>

Blueprint for a Best Practice Measurement Indicator Set and Benchmarking /

T. Denne et al. -- Wellington, New Zealand : NZ Transport Agency, 2013-13 (NZ Transport Agency Research Report 522), 147 pp. <http://www.nzta.govt.nz/resources/research/reports/522/docs/522.pdf>

Construction Cost Forecast Model: Model Documentation and Technical Notes /

Peter Mills -- Bellevue, WA : Dye Management Group, Inc. ; Denver, CO : Colorado Dept. of Transportation - Research, 2013-05 (CDOT-2013-6), 55 pp. <http://www.coloradodot.info/programs/research/pdfs/2013/costs.pdf/view>

Do Highways Matter?: Evidence and Policy Implications of Highways' Influence on Metropolitan Development /

Marlon G. Boarnet and Andrew F. Haughwout -- Washington, DC : The Brookings Institution Center on Urban and Metropolitan Policy, 2000-08, 34 pp.

Federal Grants to State and Local Governments /

Congressional Budget Office -- Washington, DC : Congress of the United States, CBO, 2013-03, 26 pp.
http://www.cbo.gov/sites/default/files/cbofiles/attachments/43967_FederalGrants_0.pdf

Inching Our Way Back: The Nation's Tepid Employment Recovery /

James W. Hughes and Joseph J. Seneca -- New Brunswick, NJ : Rutgers, The State University of New Jersey, Edward J. Bloustein School of Planning and Public Policy, 2013-04 (Issue Paper Number 35), 20 pp.
<http://policy.rutgers.edu/reports/rrr/RRR35apr13.pdf>

Practices and Performance Measures for Local Public Agency Federally Funded Highway Projects /

Leslie Ann McCarthy, Seri Park, and Anthony R. Giancola -- Washington, DC : Transportation Research Board, 2013 (NCHRP Synthesis 442), 121 pp.

Recommendations to Improve the Strength and Resilience of the Empire State's Infrastructure /

NYS 2100 Commission -- New York : NYS 2100 Commission, 2013, 204 pp.
<http://www.governor.ny.gov/assets/documents/NYS2100.pdf>

RTI Special Studies for TxDOT Administration in FY 2012 /

Khali Persad et al. -- Austin, TX : University of Texas at Austin, Center for Transportation Research ; Texas Dept. of Transportation, Research and Technology Implementation Office, 2013-05 (FHWA/TX-13/0-6481-CT-4), 136 pp.
<http://library.ctr.utexas.edu/ctr-publications/0-6581-CT-4.pdf>

Statewide Transportation and Local Bridge Bond Act of 1999 - Status Report 2012 /

New Jersey Dept. of Transportation -- Trenton, NJ : NJDOT, Division of Local Aid and Economic Development, 2012, 89 pp.

Survey of State Funding for Public Transportation - Final Report 2013: FY 2011 Data /

American Association of State Highway and Transportation Officials -- Washington, DC : AASHTO, 2013, various pagings

Transportation and the New Generation: Why Young People Are Driving Less and What It Means for Transportation Policy /

Benjamin Davis, Tony Dutzik, and Phineas Baxandall -- Boston, MA : Frontier Group ; U.S. PIRG Education Fund, 2012-04, 41 pp. <http://www.frontiergroup.org/reports/fg/transportation-and-new-generation>

A Transportation Economics Reference for Practitioners: Final Report /

Kara Kockelman and T. Donna Chen -- Austin, TX : University of Texas at Austin, Center for Transportation Research ; Texas Dept. of Transportation, Research and Technology Implementation Office, 2013-03 (FHWA/TX-12/0-6628-1), 28 pp.
<http://library.ctr.utexas.edu/ctr-publications/0-6628-1.pdf>

Aviation

Air Traffic Control from Anywhere to Anywhere: The Case for ATC Facility Consolidation /

Michael Harrison, Ira Gershkoff, and Gary Church -- Los Angeles : Reason Foundation, 2013-04 (Policy Study 411), 55 pp.
http://reason.org/files/air_traffic_control_facility_consolidation.pdf

Airport Leadership Development Program /

Seth B. Young et al. -- Washington, DC : Transportation Research Board, 2013 (ACRP Report 75), 326 pp., with CD-ROM

Airport Wildlife Population Management /

Russell P. DeFusco and Edward T. Unangst -- Washington, DC : Transportation Research Board, 2013 (ACRP Synthesis 39), 69 pp.

Assessing Opportunities for Alternative Fuel Distribution Programs /

Bruno Miller et al. -- Washington, DC : Transportation Research Board, 2013 (ACRP Report 83), 114 pp., with CD-ROM

Buy America Requirements for Federally Funded Airports /

Timothy R. Wyatt -- Washington, DC : Transportation Research Board, 2013-02 (Legal Research Digest 18), 69 pp.

Conducting Aeronautical Special Events at Airports /

C. Daniel Prather -- Washington, DC : Transportation Research Board, 2013 (ACRP Synthesis 41), 119 pp.

Environmental Management System Development Process /

Elizabeth Delaney and Barbara Thomson -- Washington, DC : Transportation Research Board, 2013 (ACRP Synthesis 44), 50 pp.

Environmental Optimization of Aircraft Departures: Fuel Burn, Emissions, and Noise /

Brian Kim et al. -- Washington, DC : Transportation Research Board, 2013 (ACRP Report 86), 96 pp. + CD-ROM

Guidebook for Preparing Airport Emissions Inventories for State Implementation Plans /

KB Environmental Sciences, Inc. et al. -- Washington, DC : Transportation Research Board, 2013 (ACRP Report 84), 99 pp., with CD-ROM

Integrating Environmental Sustainability into Airport Contracts /

Zoe Haseman -- Washington, DC : Transportation Research Board, 2013 (ACRP Synthesis 42), 68 pp.

National Airspace System: Airport-Centric Development - Report to Congressional Requesters /

United States Government Accountability Office -- Washington, DC : U.S. GAO, 2013-03 (GAO-13-261), 67 pp.
<http://www.gao.gov/assets/660/653427.pdf>

Procuring and Managing Professional Services for Airports /

Thomas A. Defant, Jr. et al. -- Washington, DC : Transportation Research Board, 2013 (ACRP Report 87), 110 pp.

Public-Sector Aviation: Graduate Research Award Papers, 2011-2012 /

Transportation Research Board -- Washington, DC : TRB, 2013 (Transportation Research Record No. 2325), 102 pp.

Repairing and Maintaining Airport Parking Structures While in Use /

K. Nam Shiu, Kurt L. Salm, and Jonathan Beckstrom -- Washington, DC : Transportation Research Board, 2013 (ACRP Synthesis 47), 46 pp.

Bridges and Structures

2013 Interim Revisions to the AASHTO LRFD Bridge Design Specifications - Customary U.S. Units - Sixth Edition 2012 [Looseleaf] /

American Association of State Highway and Transportation Officials -- Washington, DC : AASHTO, 2013, Part I: Sections 1-6, Part II: Sections 7-Index

Assessing Pre-Tensioned Reinforcement Corrosion within the New Zealand Concrete Bridge Stock /

R.A. Rogers, M. Al-Ani, and J.M. Ingham -- Wellington, New Zealand : NZ Transport Agency, 2013-13 (NZ Transport Agency Research Report 502), 488 pp. <http://www.nzta.govt.nz/resources/research/reports/502/docs/502.pdf>

Bridge Design and Evaluation: LRFD and LRFR /

Gongkang Fu -- Hoboken, NJ : John Wiley & Sons, 2013, 429 pp.

Bursting and Shear Behavior of Prestressed Concrete Beams with End Blocks [TechSummary] /

Catherine Hovell et al. -- Austin, TX : University of Texas at Austin, Center for Transportation Research ; Texas Dept. of Transportation, Research and Technology Implementation Office, 2013 (0-5831), 2 pp.
<http://library.ctr.utexas.edu/hostedPDFs/txdot/psr/0-5831-s.pdf>

Evaluation of Design Methods to Determine Scour Depths for Bridge Structures /

Guoping Zhang et al. -- Baton Rouge, LA : Louisiana State University, Dept. of Civil and Environmental Engineering, Louisiana Transportation Research Center ; Louisiana Dept. of Transportation and Development, 2013-03 (FHWA/LA.11/491), 126 pp. http://www.ltrc.lsu.edu/pdf/2013/FR_491.pdf

Fatigue Performance of Brass Breakaway Light Pole Couplings /

Joseph Rudd, Gregory Banas, and Christopher Hahin -- Urbana, IL : University of Illinois at Urbana-Champaign, Dept. of Civil and Environmental Engineering, Illinois Center for Transportation ; Springfield, IL : Illinois Dept. of Transportation, Bureau of Materials and Physical Research, 2013-04 (FHWA-ICT-12-023), 64 pp.
<http://ict.illinois.edu/publications/report%20files/FHWA-ICT-12-023.pdf>

Hydraulic Performance of Staggered-Barrel Culverts for Stream Crossing [TechSummary] /

Kyle B. Strom and Wade J. Barnes -- [Lubbock, TX] : Texas Tech University, Multidisciplinary Research in Transportation ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2013 (0-6549), 2 pp.
http://ftp.dot.state.tx.us/pub/txdot-info/rti/psr/0-6549-s_techmrt.pdf

Innovative Bridge Designs for Rapid Renewal: ABC Toolkit /

HNTB Corporation et al. -- Washington, DC : Transportation Research Board, 2013 (SHRP 2 Report SS-R04-RR-2), 307 pp.

Load Rating and Retrofit Testing of Bridge Timber Piles Subjected to Eccentric Loading /

Pablo Caiza, Moochul Shin, and Bassem Andrawes -- Urbana, IL : University of Illinois at Urbana-Champaign, Dept. of Civil and Environmental Engineering, Illinois Center for Transportation ; Springfield, IL : Illinois Dept. of Transportation, Bureau of Materials and Physical Research, 2012-11 (FHWA-ICT-12-014), 66 pp.
<http://www.ict.illinois.edu/Publications/report%20files/FHWA-ICT-12-014.pdf>

Non-Destructive Evaluation of In-Service Concrete Structures Affected by Alkali-Silica Reaction (ASR) or Delayed Ettringite Formation (DEF) - Final Report, Part I /

Eric R. Giannini et al. -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : University of Texas at Austin, Center for Transportation Research ; Texas Dept. of Transportation, Research and Technology Implementation Office, 2013-04 (FHWA/TX-13/0-6491-1), 228 pp. <http://library.ctr.utexas.edu/hostedpdfs/txdot/psr/0-6491-s.pdf> - project summary <http://library.ctr.utexas.edu/ctr-publications/0-6491-1.pdf>

Performance-Based Seismic Bridge Design /

M. Lee Marsh and Stuart J. Stringer -- Washington, DC : Transportation Research Board, 2013 (NCHRP Synthesis 440), 126 pp.

Real-Time Bridge Monitoring: Developing Wireless Nanosensors to Monitor Structural Integrity [Fact Sheet] /

Exploratory Advanced Research Program -- [Washington, DC] : U.S. Dept. of Transportation, Federal Highway Administration, 2013 (FHWA-HRT-13-057), 2 pp.

Shear in High Strength Concrete Bridge Girders: Technical Report /

Emad L. Labib et al. -- Houston, TX : University of Houston, Cullen College of Engineering, Dept. of Civil and Environmental Engineering ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2013-04 (FHWA/TX-13/0-6152-2), 300 pp. <http://d2dtl5nnlpfr0r.cloudfront.net/tti.tamu.edu/documents/0-6152-2.pdf>

Shear Strength and Effects of HDPE Plastic Post-Tensioning Duct on a Prestressed Girder /

James Oscar Felan -- Austin, TX : University of Texas at Austin, 2013-05, 141 pp.
http://library.ctr.utexas.edu/hostedPDFS/txdot/masters/thesis_felan_2013.pdf

Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals - Sixth Edition 2013 [Looseleaf] /

American Association of State Highway and Transportation Officials, Highways Subcommittee on Bridges and Structures, 2012 -- Washington, DC : AASHTO, 2013, various pagings

Structural Performance of Texas U-Beams at Prestress Transfer and Under Shear-Critical Loads /

Catherine Hovell et al. -- Austin, TX : University of Texas at Austin, Center for Transportation Research ; Texas Dept. of Transportation, Research and Technology Implementation Office, 2013-04 (FHWA/TX-13/0-5831-2), 355 pp.
<http://library.ctr.utexas.edu/ctr-publications/0-5831-2.pdf>

Thermal Response of Integral Abutment Bridges with Mechanically Stabilized Earth Walls /

Alfredo E. Arenas, George M. Filz, and Thomas E. Cousins -- Blacksburg, VA : Virginia Polytechnic Institute and State University, Dept. of Civil and Environmental Engineering ; Richmond, VA : Virginia Dept. of Transportation, 2013-03 (VCTIR 13-R7), 73 pp. http://www.virginiadot.org/vtrc/main/online_reports/pdf/13-r7.pdf

Construction

Evaluating Applications of Field Spectroscopy Devices to Fingerprint Commonly Used Construction Materials /

Adam Zofka et al. -- Washington, DC : Transportation Research Board, 2013 (SHRP 2 Report S2-R06B-RR-1), 70 pp.

Fuel Usage Factors in Highway and Bridge Construction /

Jonathan Skolnik, Mike Brooks, and John Oman -- Washington, DC : Transportation Research Board, 2013 (NCHRP Report 744), 136 pp.

Guidebook for Construction Management Practices for Rural Projects /

Matthew Hallowell, Daniel Tran, and Keith Molenaar -- Washington, DC : Transportation Research Board, 2013-03 (Research Results Digest 381), 32 pp

Using Infrared and High-Speed Ground-Penetrating Radar for Uniformity Measurements on New HMA Layers /

Stephen Sebesta, Tom Scullion, and Timo Saarenketo -- Washington, DC : Transportation Research Board, 2013 (SHRP 2 Report S2-R06C-RR-1), 80 pp.

Energy and Environment

Bioretention for Highway Stormwater Quality Improvement in Texas: Final Report /

Ming-Han Li et al. -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2013-04 (FHWA/TX-13/0-5949-4), 132 pp.
<http://d2dtl5nnlpfr0r.cloudfront.net/tti.tamu.edu/documents/0-5949-4.pdf>

Effects of Highway Construction in Sedgefield Lakes and Kings Mill Continued - Final Report /

Daniel E. Line, M.B. Shaffer, and J. Blackwell -- Raleigh, NC : North Carolina State University, Biological and Agricultural Engineering Dept., Water Quality Group ; North Carolina Dept. of Transportation, Research and Analysis Group, 2009-01 (FHWA/NC/2008-17), 47 pp. <http://www.ncdot.gov/doh/preconstruct/tpb/research/download/2008-17finalreport.pdf>

Field Evaluation for Hydromulches for Water Quality and Vegetation Establishment /

Richard A. McLaughlin -- Raleigh, NC : North Carolina State University, Dept. of Soil Science ; North Carolina Dept. of Transportation, Research Unit, 2013-03 (FHWA/NC/2010-15), 56 pp.
<http://ntl.bts.gov/lib/47000/47400/47411/2010-15finalreport.pdf>

Geoenvironmental Impacts of Using High Carbon Fly Ash in Structural Fill Applications /

Ahmet Aydilek and Bora Cetin -- College Park, MD : University of Maryland, Dept. of Civil and Environmental Engineering ; Baltimore, MD : Maryland State Highway Administration, 2013-03 (MD-13-SP909B4P), 265 pp.
http://www.roads.maryland.gov/OPR_Research/MD-13-SP909B4P-Geoenvironmental-Impacts-Of-Using-HCFA-In-Structural-Fill-Applications.pdf

Meadowlands Conservation Trust - 2012 Annual Report /

Meadowlands Conservation Trust -- Lyndhurst, NJ : The Trust, 2013, 11 pp.

Methodology to Assess Vegetation, Hydrologic, and Soil Parameters that Affect Wetland Restoration Success /

M.J. Vepraskas et al. -- Raleigh, NC : North Carolina State University, Dept. of Soil Science ; North Carolina Dept. of Transportation, Research and Analysis Group, 2010-02 (FHWA/NC/2008-16), 149 pp.
<http://www.ncdot.gov/doh/preconstruct/tpb/research/download/2008-16finalreport.pdf>

Pollutant Load Reductions for Total Maximum Daily Loads for Highways /

S. Ali Abbasi and Antti Koskela -- Washington, DC : Transportation Research Board, 2013 (NCHRP Synthesis 444), 62 pp.

Propagation and Culture of Federally Listed Freshwater Mussel Species /

Jay F. Levine et al. -- Raleigh, NC : North Carolina State University, College of Veterinary Medicine; North Carolina Dept. of Transportation, 2011-11 (FHWA/NC/2009-16 ; HWY-2009-16), 110 pp.
<http://www.ncdot.gov/doh/preconstruct/tpb/research/download/2009-16finalreport.pdf>

Renewable Energy Guide for Highway Maintenance Facilities /

Robert Lorand et al. -- Washington, DC : Transportation Research Board, 2013 (NCHRP Report 751), 239 pp.

Study of the Potential Impacts of Highway Construction on Selected Birds with Emphasis on the Golden-Cheeked Warbler [TechSummary] /

Diane H. Robinson and Heather A. Mathewson -- College Station, TX : Texas A&M University ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2013 (0-6263), 2 pp.
<http://library.ctr.utexas.edu/hostedpdfs/txdot/psr/0-6263-s.pdf>

Freight / Goods Movement

Characterizing Oregon's Supply Chains - Final Report /

Anne Goodchild, Andrea Gagliano, and Maura Rowell -- Seattle, WA : University of Washington ; Salem, OR : Oregon Dept. of Transportation, Research Unit, 2013-03 (SPR 739), 76 pp.

http://www.oregon.gov/ODOT/TD/TP_RES/docs/Reports/2013/CharacterizingOregonsSupply_SPR739.pdf

Environmental and Energy Benefits of Freight Delivery Consolidation in Urban Areas /

Jane Lin, Qin Chen, and Kazuya Kawamura -- Madison, WI : University of Wisconsin-Madison, National Center for Freight and Infrastructure Research and Education (CFIRE) ; Washington, DC : U.S. Dept. of Transportation, Research and Innovative Technology Administration, 2013-03 (CFIRE 03-19), 64 pp.

Freight Data Cost Elements /

Jose Holguin-Veras et al. -- Washington, DC : Transportation Research Board, 2013 (NCFRP Report 22), various pagings

Freight Data Sharing Guidebook /

Cambridge Systematics, Inc., North River Consulting Group, and University of Washington -- Washington, DC : Transportation Research Board, 2013 (NCFRP Report 25), various pagings

Goods Movement Study in Illinois: Application to Freight Transportation and Logistics /

Kouros Mohammadian et al. -- Chicago, IL : University of Illinois at Chicago, Dept. of Civil and Materials Engineering ; Springfield, IL : Illinois Dept. of Transportation, Bureau of Materials and Physical Research, 2013-03 (FHWA-ICT-13-010), 44 pp. <http://ict.illinois.edu/publications/report%20files/FHWA-ICT-13-010.pdf>

Rider 36 OS/OW Vehicle Fees Study [TechSummary] /

C. Michael Walton et al. -- Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2013 (0-6736), 2 pp. <http://library.ctr.utexas.edu/hostedpdfs/txdot/psr/0-6736-s.pdf>

Strategic Issues Facing Transportation - Volume I: Scenario Planning for Freight Transportation Infrastructure Investment /

Chris Caplice and Shardul Phadnis -- Washington, DC : Transportation Research Board, 2013 (NCHRP Report 750), 155 pp. + Future Freight Flows, World Scenarios 2037 on 2 CD-ROMs

Synthesis of Freight Research in Urban Transportation Planning /

Genevieve Giuliano et al. -- Washington, DC : Transportation Research Board, 2013 (NCFRP Report 23), 89 pp.

Geotechnical

Field Verification of Undercut Criteria and Alternatives for Subgrade Stabilization - Coastal Plain /

Timothy D. Cowell et al. -- Raleigh, NC : North Carolina State University, Dept. of Civil, Construction, and Environmental Engineering ; North Carolina Dept. of Transportation, Research and Analysis Group, 2012-06 (FHWA/NC/2008-13), 248 pp. <http://www.ncdot.gov/doh/preconstruct/tpb/research/download/2008-13finalreport.pdf>

Slope Failure Investigation Management System /

Ahmet H. Aydilek and Raghav S. Ramanathan -- College Park, MD : University of Maryland ; Baltimore, MD : Maryland State Highway Administration, Office of Policy and Research, 2013-03 (MD-13-SP009B4N), 112 pp. http://www.roads.maryland.gov/OPR_Research/MD-13-SP009B4N_Soil-Slope-Failure-Investigation_Report.pdf

GIS/GPS

Guidelines for the Use of Mobile LIDAR in Transportation Applications /

Michael J. Olsen et al. -- Washington, DC : Transportation Research Board, 2013 (NCHRP Report 748), various pagings

Highway Design

Development of Guidelines for Operationally Effective Raised Medians and the Use of Alternative Movements on Urban Roadways /

Yi Qi et al. -- Houston, TX : Texas Southern University, Department of Transportation Studies ; Texas Dept. of Transportation, Research and Technology Implementation Office, 2013-03 (FHWA/TX-13/0-6644-1), 270 pp.
<http://d2dtl5nnlpfr0r.cloudfront.net/tti.tamu.edu/documents/0-6644-1.pdf> - Report
http://ftp.dot.state.tx.us/pub/txdot-info/rti/psr/0-6644-s_tsu.pdf - Project Summary

Left-Turn Accommodations at Unsignalized Intersections /

Kay Fitzpatrick et al. -- Washington, DC : Transportation Research Board, 2013 (NCHRP Report 745), 51 pp.

Practical Highway Design Solutions /

Hugh W. McGee, Sr. -- Washington, DC : Transportation Research Board, 2013 (NCHRP Synthesis 443), 96 pp.

Human Resources

AASHTO Salary Survey 2012 /

Missouri Department of Transportation, Human Resources Division, Compensation Unit -- Washington, DC : American Association of State Highway and Transportation Officials, AASHTO Subcommittee on Human Resources, 2013, 82 pp.

Enforceability of Local Hire Preference Programs /

Jennifer D. Cantrell and Suparna Jain -- Washington, DC : Transportation Research Board, 2013-04 (Legal Research Digest 59), 39 pp.

The Validity of the Air Traffic Selection and Training (AT-SAT) Test Battery in Operational Use /

Dana Broach et al. -- Oklahoma City, OK : FAA Civil Aerospace Medical Institute ; Washington, DC : Federal Aviation Administration, Office of Aerospace Medicine, 2013-03 (DOT/FAA/AM-13/3), 18 pp.
http://www.faa.gov/data_research/research/med_humanfacs/oamtechreports/2010s/media/201303.pdf

Information Management

State DOT Use of Web-Based Data Storage /

Aaron Overman and Hugh Louch -- Bethesda, MD : Cambridge Systematics, Inc. ; Trenton, NJ : New Jersey Dept. of Transportation, Bureau of Research, 2013 (NJ-2013-002), 20 pp.
<http://www.state.nj.us/transportation/refdata/research/reports/NJ-2013-002.pdf>

Intelligent Transportation Systems (ITS)

Development of Next Generation Intersection Control /

Zhixia Li, Madhav V. Chitturi, and David A. Noyce -- Madison, WI : University-Madison, Traffic Operations and Safety (TOPS) Laboratory ; Washington, DC : U.S. Dept. of Transportation, Research and Innovative Technology Administration, 2013-03 (CFIRE 04-18), 72 pp.

Lane-Level Vehicle Positioning: Integrating Diverse Systems for Precision and Reliability [Fact Sheet] /

Exploratory Advanced Research Program -- [Washington, DC] : U.S. Dept. of Transportation, Federal Highway Administration, 2013 (FHWA-HRT-13-059), 2 pp.

Literature Review on Recent International Activity in Cooperative Vehicle-Highway Automation Systems /

S.E. Shladover -- Richmond, CA : University of California PATH Program ; Cambridge, MA : Cambridge Systematics, Inc. ; McLean, VA : Federal Highway Administration, Office of Corporate Research, Technology, and Innovation Management, 2012-12 (FHWA-HRT-13-025), 28 pp.

Multipath SPAT Broadcast Project /

Ralph Robinson and Francois Dion -- Ann Arbor, MI : University of Michigan, Transportation Research Institute ; Lansing, MI : Michigan Dept. of Transportation, ITS Program Office, 2013-03 (UMTRI-2013-9), 13 pp.
<http://deepblue.lib.umich.edu/bitstream/handle/2027.42/97024/102940.pdf?sequence=1>

A Prototype System for Chemical Hydrogen Generation and Storage for Operating ITS Devices /

Steven P. Sternberg, A. Rashid Hasan, and Venkatram R. Mereddy -- Duluth, MN : University of Minnesota Duluth, Dept. of Chemical Engineering and Dept. of Chemistry and Biochemistry ; Minneapolis, MN : University of Minnesota, Center for Transportation Studies, Intelligent Transportation Systems Institute, 2013-04 (CTS-13-11), 44 pp.
<http://www.its.umn.edu/Publications/ResearchReports/>

Tomorrow's Transportation Market: Developing an Innovative, Seamless Transportation System [Fact Sheet] /

Exploratory Advanced Research Program -- [Washington, DC] : U.S. Dept. of Transportation, Federal Highway Administration, 2013 (FHWA-HRT-13-058), 2 pp.

Landscape and Urban Design

Development of Biological Agents for Invasive Species Control /

Robert B. Trumbule -- Annapolis, MD : Maryland Dept. of Agriculture ; Baltimore, MD : Maryland State Highway Administration, Office of Policy and Research, 2013-05 (MD-13-SP009B4T), 25 pp.
http://www.roads.maryland.gov/OPR_Research/MD-13-SP009B4T_Development-of-Biological-Agents-for-Invasive-Species-Control_Report.pdf

Getting Real About Urbanism: Contextual Design for Cities /

Bernard Zyscovich with Douglas R. Porter -- Washington, DC : Urban Land Institute, 2008, 128 pp.

Sustainable Urbanism: Urban Design with Nature /

Douglas Farr -- Hoboken, NJ : John Wiley & Sons, Inc., 2008, 304 pp.

Legal Issues

Legal Issues Surrounding the Use of Digital Intellectual Property on Design and Construction Projects /

Larry W. Thomas -- Washington, DC : Transportation Research Board, 2013-03 (Legal Research Digest 58), 45 pp.

Review of NJ Point System /

Jon A. Carnegie, Kaan Ozbay, and Sandeep Mudigonda -- New Brunswick, NJ : Rutgers, The State University of New Jersey, Alan M. Voorhees Transportation Center ; Trenton, NJ : New Jersey Dept. of Transportation, Bureau of Research, 2013-03 (FHWA-NJ-2013 004), 53 pp. <http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2013-004.pdf>

Marine / Waterways

Report from the Panama Canal Stakeholder Working Group /

Katherine F. Turnbull -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2013-03 (FHWA/TX-12/0-6800-1), 76 pp.
<http://d2dd5nnlpfr0r.cloudfront.net/tti.tamu.edu/documents/0-6800-1.pdf>

Materials

Balanced RAP / RAS Mix Design and Performance Evaluation System for Project-Specific Service Conditions /

Fujie Zhou, Sheng Hu, and Tom Scullion -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2013-06 (FHWA/TX-13/0-6092-3), 74 pp.
<http://tti.tamu.edu/documents/0-6092-3.pdf>

Development of Advanced Grid Stiffened (AGS) Fiber Reinforced Polymer (FRP) Tube-Encased Concrete Columns /

Guoqiang Li -- Baton Rouge, LA : Louisiana State University, Dept. of Mechanical Engineering ; Louisiana Dept. of Transportation and Development, 2013-03 (FHWA/LA.11/442), 127 pp. http://www.ltrc.lsu.edu/pdf/2013/fr_442.pdf

Development of an Economical, Thin, Quiet, Long-Lasting, and High Friction Surface Layer - Volume 1: Mix Design and Lab Performance Testing /

Imad L. Al-Qadi, Songsu Son, and Samuel H. Carpenter -- Urbana, IL : University of Illinois at Urbana-Champaign, Dept. of Civil and Environmental Engineering, Illinois Center for Transportation ; Springfield, IL : Illinois Dept. of Transportation, Bureau of Materials and Physical Research, 2013-03 (FHWA-ICT-13-001), 126 pp.
<http://www.ict.illinois.edu/Publications/report%20files/FHWA-ICT-13-001.pdf>

Development of an Economical, Thin, Quiet, Long-Lasting, and High Friction Surface Layer - Volume 2: Field Construction, Field Testing, and Engineering Benefit Analysis /

Imad L. Al-Qadi, Songsu Son, and Thomas Zehr -- Urbana, IL : University of Illinois at Urbana-Champaign, Dept. of Civil and Environmental Engineering, Illinois Center for Transportation ; Springfield, IL : Illinois Dept. of Transportation, Bureau of Materials and Physical Research, 2013-03 (FHWA-ICT-13-006), 63 pp.
<http://www.ict.illinois.edu/Publications/report%20files/FHWA-ICT-13-006.pdf>

The Guayule Plant: A Renewable Domestic Source of Binder Materials for Flexible Pavement Mixtures - IDEA Program Final Report: Project NCHRP-143 /

David N. Richardson and Steven M. Lusher -- [Rolla], MO : Missouri University of Science and Technology ; Washington, DC : Transportation Research Board, Highway IDEA Program, 2013-01 (Highway IDEA Project 143), 46 pp.
http://onlinepubs.trb.org/Onlinepubs/IDEA/FinalReports/Highway/NCHRP143_Final_Report.pdf

High Performance Concrete Specifications and Practices for Bridges /

Henry G. Russell -- Washington, DC : Transportation Research Board, 2013 (NCHRP Synthesis 441), 73 pp.

Measuring Cement Particle Size and Surface Area by Laser Diffraction [TechSummary] /

National Cooperative Highway Research Program -- Washington, DC : Transportation Research Board, 2013-04 (Research Results Digest 382), 23 pp.

Mixture Design Procedure for Flexible Base /

Jon Epps, Bailey Hewes, and Stephen Sebesta -- College Station, TX : Texas A&M Transportation Institute ; [Austin, TX] : Texas Dept. of Transportation, 2013-04 (0-6621-P1), 22 pp.
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